

# PATENT ABSTRACTS OF JAPAN

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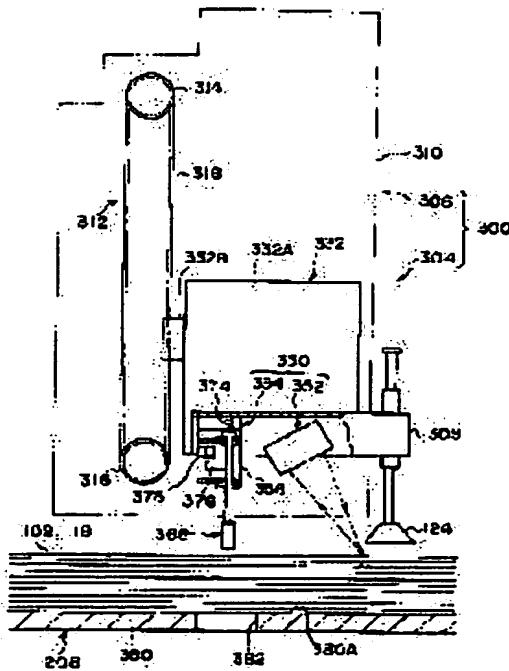
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## (54) DETECTION DEVICE OF SHEET MATERIAL



(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a detection device of a sheet material capable of improving reliability for suction motion by a suction means.

**SOLUTION:** A sheet material detection device 350 consisting of a class detection sensor 352 and an upper surface position detection device 354 is arranged on a suction cup unit 304 to suck a photopolymer plate 102 or an interleaf 118. Additionally, the sheet material detection device 350 is furnished with an actuator 366 and a photo-interrupter 378, and it is devised to carry out positional detection of the photopolymer plate 102 or the interleaf 118.

under a non-contact method and to detect the classes by the class detection sensor

352 at a fixed position constantly with respect to the upper surface of a sheet material. Consequently, it is possible to improve reliability for suction motion by the suction cup unit 304 in comparison with the case of carrying out the positional detection under the non-contact method.

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#### LEGAL STATUS

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